

# Morbidity and Mortality

Weekly  
Report



U. S. Department of  
HEALTH, EDUCATION, AND WELFARE

Public Health Service

NATIONAL OFFICE OF VITAL STATISTICS

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended May 1, 1954

In the 4-week period ended May 1, the total number of cases of poliomyelitis reported was 424, which is 14 percent higher than the figure for the same period of last year. The total number excludes cases from Indiana from which no report was received for the current week. For the previous 2 weeks, no cases of the disease were reported in the State. At the present time this cannot be interpreted as indicating an abnormally high incidence in 1954. The first 4 weeks of the "disease year" in 1953 was about 30 percent higher than that for the same period of 1952, but the number of cases in 1953 was more than 20,000 below the total in 1952.

The incidence of poliomyelitis usually begins to increase earlier in the Southern than in the Northern States, and increases are expected in some of the Southern States at this time of year. Florida and Texas, with 11 and 28 cases, respectively, for the current week, are no exception. Both have reported increases during the 4-week period ended May 1, but Florida reported a decrease for the week ended May 1. The State has, however, experienced an unusually high incidence for this period. A total of 56 cases has been reported in the State since the beginning of the "disease year" as compared with 18 for the corresponding period of 1953. Since January 1, 1954, the incidence in Florida has been about double that for the same period of 1953. For the first 16 weeks of this year, which ended April 24, a total of 18 cases was reported in Key West. Although this number is small, it represents a relatively high incidence rate because of the small population in that area.

According to a circular from Dr. J. R. Enright, Hawaii Department of Health, the incidence of poliomyelitis has been unusually high in the Territory for the first 16 weeks of 1954. During this period there have been 68 cases of paralytic and 30 of nonparalytic poliomyelitis. The incidence rate among civilians was about 40 per 100,000 estimated population, on an annual basis, for the entire Territory. This is by far the highest rate ever reported during the first 16 weeks of the year and is over 5 times the average rate of 7 for the past 15 years. The highest incidence was reported from the Island of Lanai, and no cases have been reported this year from the Islands of Hawaii and Molokai.

### EPIDEMIOLOGICAL REPORTS

#### Psittacosis

Dr. L. M. Schuman, Illinois Department of Public Health, reports 4 cases of psittacosis which occurred in 2 related families in the south central part of the State. The predominating symptoms were influenza-like with fever, chills, sweating, prostration, and cough. One patient was delirious and had bloody sputum, while another had marked pneumonic involvement. Complement fixation titers as high as 1:64 have been obtained from 2 cases. Both families raise parakeets and keep large numbers of birds in their homes. At first they refused to divulge the origin of the birds, but later revealed that some of the parakeets came from a private breeder who purchased from an (as yet) unknown source in Ohio. They also admitted that the mortality rate was very high among birds from this source. The birds have been quarantined and blood specimens have been obtained from a sample of birds in the flocks in an attempt to establish evidence of infection.

Dr. E. J. Witte, Pennsylvania Department of Health, reports a case of psittacosis in a 43-year-old woman who had extensive contact with parakeets. The patient was a clerk in a store in charge of the pet counter during the past 2 years and had handled thousands of birds. She also cleaned the bird cages. She first noticed a pain in her chest, and later had fever, became toxic, and a consolidation was detected in her chest. Two shipments of birds from New York City were made to the store 1 and 2 weeks prior to the onset of her illness. One bird in the latter shipment died soon after arrival. Specimens from birds in this shipment have been sent to the PHS Laboratory for virus isolation. The laboratory report has not as yet been received.

The California Department of Public Health reports a case of psittacosis in a 24-year-old woman. She developed a severe headache and pain in neck, had fever, head cold, and meningeal irritation. Poliomyelitis was suspected, but spinal fluids, taken at the time of onset, were negative. The patient developed tightness of chest and an X-ray showed atypical pneumonia in the right side. The patient was in contact with 2 psittacine birds in her home. The birds died and were destroyed about 2 weeks prior to the onset of her illness. Complement fixation tests on blood samples taken during the acute phase of illness were positive for psittacosis in a dilution less than 1:8. On a specimen taken 1 month after onset the titer was 1:16.

#### Salmonellosis

Dr. L. M. Schuman reports an outbreak of salmonellosis in 4 schools in the central part of Illinois. These schools were participating in a hot lunch program with central preparation of food in 1 school and distribution to the others. The same menu was served at all 4 schools. In an enrollment of 509, about 150 children, 4 teachers, and 2 cooks became ill with abdominal distress, cramp-like pain, nausea, vomiting, prostration, perspiration, and temperatures ranging up to 103°. Ninety percent of those affected became ill during mid-morning of April 8 and the other 10 percent the following day. Since the most recent lunch was the one served on April 7, it was suspected as being responsible for the outbreak. This would make the incubation period from 20 to 36 hours. Samples of foods served at this meal were collected for laboratory examination but the results have not been received as yet. Cultures on the children are being obtained. Of 6 cooks employed, 5 have submitted stool specimens which were positive for *Salmonella montevideo*. The cooks have been relieved of duty as food handlers until at least 2 consecutive negative cultures have been received on each. The hot lunch program has been discontinued temporarily.

#### Gastro-enteritis

The California Department of Public Health gives supplemental information on the family outbreak of gastro-enteritis which was reported in the Communicable Disease Summary for the week ended March 27. The mustard greens were mixed with some spinach, which was grown in the family back yard, boiled in salt water, and served with diced bacon. The mustard greens were purchased from a local store but the original source was not determined. No similar illnesses from eating mustard greens have been reported in the area. One of the patients has since eaten spinach from his garden, but developed no symp-

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toms. There is no evidence of Jimson leaves on the property. The investigation did not produce any suspicious source for these cases. Chemical and biochemical tests were negative for parathion. No alkaloids, arsenic, or other heavy metals were found. There was not enough home grown spinach available for thorough testing.

Dr. R. R. Cross, Director, Illinois Department of Public Health, reports an outbreak of gastro-enteritis involving at least 7 persons. They became ill from 3 to 4 hours after eating cream puffs obtained from different stores of a local chain of groceries. The cream puffs were baked in the company bakery. No bacteriological examinations were made.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: CONTINENTAL UNITED STATES  
(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	17th week			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended May 1, 1954	Ended May 2, 1953	Median 1949-53	First 17 weeks			Since seasonal low week			
				1954	1953	Median 1949-53	1953-54	1952-53	Median 1948-49 to 1952-53	
Anthrax-----062	-	1	1	7	16	16	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Botulism-----049.1	-	-	---	6	12	---	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Brucellosis (undulant fever)-----044	35	25	---	<sup>2</sup> 475	492	---	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Diphtheria-----055	25	23	70	656	749	1,470	2,021	2,420	4,496	July 1
Encephalitis, infectious-----082	47	14	14	404	312	263	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,123	777	---	21,953	11,259	---	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Malaria-----110-117	17	8	---	123	155	---	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Measles-----085	30,294	26,843	26,843	350,498	228,594	269,450	386,590	260,028	298,840	Sept. 1
Meningococcal infections-----057	115	122	92	<sup>3</sup> 1,923	2,395	1,824	<sup>3</sup> 3,245	3,670	2,903	Sept. 1
Poliomyelitis-----080	121	111	73	1,978	1,953	1,552	425	372	255	Apr. 1
Psittacosis-----096.2	<sup>4</sup> 7	-	---	75	3	---	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Rabies in man-----094	-	1	-	1	1	2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Rocky Mountain spotted fever-----104A	4	4	2	14	16	16	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Scarlet fever and streptococcal sore throat-----050,051	3,508	3,683	2,251	76,575	70,510	45,714	111,209	107,098	68,920	Aug. 1
Smallpox-----084	-	-	-	-	3	6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Trichiniasis-----128	2	2	---	97	90	---	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Tularemia-----059	20	11	12	209	181	239	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Typhoid fever-----040	23	40	26	<sup>5</sup> 512	425	517	<sup>5</sup> 103	120	114	Apr. 1
Typhus fever, endemic-----101	3	2	---	44	53	---	10	13	---	Apr. 1
Whooping cough-----056	1,016	718	997	<sup>6</sup> 18,139	10,652	18,975	<sup>6</sup> 27,896	18,509	33,239	Oct. 1
Rabies in animals-----	146	104	---	2,974	2,864	---	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup>Information not available or frequencies are too small.

<sup>2</sup>Addition: Louisiana, week ended April 24, 3 cases.

<sup>3</sup>Deduction: Texas, week ended April 24, 26 cases.

<sup>4</sup>Connecticut, New York, and New Jersey, 1 case each; Colorado, 4 cases.

<sup>5</sup>Deduction: Nebraska, week ended April 17, 3 cases.

<sup>6</sup>Deduction: South Dakota, week ended April 24, 5 cases.

NOTE.—No report for the current week has been received from Indiana.

## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and Territory and of one possession. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, psittacosis, rabies in man, and smallpox are not shown

in table 2, but a footnote to table 1 shows the States making the reports. In addition, when diseases of rare occurrence (cholera, dengue, plague, relapsing fever—louse borne, typhus fever—epidemic, and yellow fever) are reported, they will be noted at the end of table 1.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 2, 1953, AND MAY 1, 1954

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	BRUCELLOSIS (UNDULANT FEVER) (044)		DIPHTHERIA (055)		ENCEPHALITIS, INFECTIOUS (082)		HEPATITIS, INFECTIOUS, AND SERUM (092, N998.5 pt.)		MALARIA (110-117)			
									Civilian <sup>1</sup>		Military	
	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953
CONT. UNITED STATES-----	35	25	25	23	47	14	1,123	777	15	8	2	-
NEW ENGLAND-----	1	2	-	2	1	1	48	44	-	-	-	-
Maine-----	-	-	-	-	-	-	16	11	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	1	-	-	-	-	-
Vermont-----	-	1	-	-	-	-	3	1	-	-	-	-
Massachusetts-----	1	1	-	2	1	1	26	25	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	-	-	-	-	2	7	-	-	-	-
MIDDLE ATLANTIC-----	1	-	2	1	18	4	215	72	1	-	-	-
New York-----	-	-	2	-	18	3	143	57	1	-	-	-
New Jersey-----	-	-	-	-	-	1	17	-	-	-	-	-
Pennsylvania-----	1	-	-	1	-	-	55	15	-	-	-	-
EAST NORTH CENTRAL-----	15	6	5	2	9	7	156	111	-	1	-	-
Ohio-----	-	-	-	2	1	1	53	22	-	-	-	-
Indiana-----	-	-	-	-	-	-	-	14	-	-	-	-
Illinois-----	6	3	-	-	-	2	47	37	-	-	-	-
Michigan-----	4	-	5	-	3	4	24	32	-	-	-	-
Wisconsin-----	5	3	-	-	5	-	32	6	-	1	-	-
WEST NORTH CENTRAL-----	9	7	1	1	4	-	164	160	-	2	-	-
Minnesota-----	-	3	-	-	2	-	58	17	-	2	-	-
Iowa-----	5	3	-	-	-	-	64	92	-	-	-	-
Missouri-----	2	-	1	-	-	-	17	20	-	-	-	-
North Dakota-----	-	-	-	1	-	-	5	5	-	-	-	-
South Dakota-----	-	-	-	-	-	-	1	-	-	-	-	-
Nebraska-----	-	-	-	-	-	-	-	20	-	-	-	-
Kansas-----	2	1	-	-	2	-	19	6	-	-	-	-
SOUTH ATLANTIC-----	4	4	3	3	5	-	160	140	-	-	2	-
Delaware-----	-	-	-	-	-	-	5	-	-	-	-	-
Maryland-----	-	-	1	-	1	-	25	3	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	7	-	-	-	-
Virginia-----	2	2	-	1	-	-	66	55	-	-	-	-
West Virginia-----	-	-	-	-	1	-	17	35	-	-	-	-
North Carolina-----	-	-	-	1	-	-	33	27	-	-	-	-
South Carolina-----	-	-	-	1	1	-	2	3	-	-	-	-
Georgia-----	2	2	1	-	2	-	11	6	-	-	2	-
Florida-----	-	-	1	-	-	-	1	4	-	-	-	-
EAST SOUTH CENTRAL-----	1	1	2	6	1	-	117	110	-	-	-	-
Kentucky-----	-	-	-	1	-	-	19	28	-	-	-	-
Tennessee-----	-	-	1	2	1	-	52	35	-	-	-	-
Alabama-----	-	-	1	1	-	-	20	16	-	-	-	-
Mississippi-----	1	1	-	2	-	-	26	31	-	-	-	-
WEST SOUTH CENTRAL-----	1	2	9	3	1	2	82	33	11	2	-	-
Arkansas-----	-	-	-	1	-	-	5	11	-	-	-	-
Louisiana-----	1	1	-	-	-	-	32	-	-	-	-	-
Oklahoma-----	-	-	-	-	-	-	7	2	-	-	-	-
Texas-----	-	1	9	2	1	2	38	20	11	2	-	-
MOUNTAIN-----	3	2	1	1	2	-	49	25	1	-	-	-
Montana-----	-	1	1	1	1	-	2	-	-	-	-	-
Idaho-----	-	-	-	-	-	-	28	1	1	-	-	-
Wyoming-----	1	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	1	1	-	-	-	-	9	19	-	-	-	-
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	1	-	-	-	1	-	9	5	-	-	-	-
Utah-----	-	-	-	-	-	-	-	1	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	-	1	2	4	6	-	132	82	2	3	-	-
Washington-----	-	-	1	3	-	-	23	18	-	-	-	-
Oregon-----	-	-	-	1	-	-	39	26	-	-	-	-
California-----	-	1	1	-	6	-	70	38	2	3	-	-
Alaska-----	-	-	-	-	-	-	1	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	2	-	-	-	1	-
Puerto Rico-----	-	-	2	3	-	-	2	-	-	-	-	-

<sup>1</sup>Includes cases not specified as civilian or military.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 2, 1953, AND MAY 1, 1954—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	MEASLES		MENINGO-COCCAL INFECTIONS		POLIOMYELITIS (080)						ROCKY MOUNTAIN SPOTTED FEVER	
	(085)		(057)		Total <sup>2</sup>		Paralytic (080.0,080.1)		Nonparalytic (080.2)		(104A)	
	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953
CONT. UNITED STATES-----	30,294	26,843	115	122	121	111	48	37	31	29	4	4
NEW ENGLAND-----	972	222	7	5	-	1	-	-	-	-	-	-
Maine-----	191	45	3	-	-	1	-	-	-	-	-	-
New Hampshire-----	5	2	-	-	-	-	-	-	-	-	-	-
Vermont-----	90	12	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	546	90	3	2	-	-	-	-	-	-	-	-
Rhode Island-----	55	1	-	-	-	-	-	-	-	-	-	-
Connecticut-----	85	72	1	3	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	6,085	1,346	19	16	8	12	1	1	-	1	-	1
New York-----	3,518	293	13	7	4	9	-	1	-	1	-	1
New Jersey-----	896	123	1	2	1	1	1	-	-	-	-	-
Pennsylvania-----	1,671	930	5	7	3	2	-	-	-	-	-	-
EAST NORTH CENTRAL-----	5,361	6,303	21	26	9	9	2	1	-	1	-	-
Ohio-----	1,474	1,217	8	12	5	1	-	-	-	-	-	-
Indiana-----	-	379	-	6	-	2	-	-	-	-	-	-
Illinois-----	1,647	1,095	3	4	2	4	1	-	-	-	-	-
Michigan-----	1,865	1,381	3	3	1	2	1	1	-	1	-	-
Wisconsin-----	375	2,231	7	1	1	-	-	-	-	-	-	-
WEST NORTH CENTRAL-----	521	3,147	6	8	9	7	1	2	2	3	-	-
Minnesota-----	18	182	1	2	2	-	-	-	-	-	-	-
Iowa-----	246	769	-	1	-	2	-	-	-	2	-	-
Missouri-----	75	506	1	1	2	1	-	1	-	-	-	-
North Dakota-----	68	38	1	2	2	-	-	-	-	-	-	-
South Dakota-----	29	22	-	1	-	-	-	-	-	-	-	-
Nebraska-----	18	299	-	-	1	2	-	1	1	1	-	-
Kansas-----	67	1,331	3	1	2	2	1	-	1	-	-	-
SOUTH ATLANTIC-----	4,784	1,445	15	28	16	17	8	4	4	6	1	3
Delaware-----	140	24	-	-	-	-	-	-	-	-	-	-
Maryland-----	799	68	-	2	-	1	-	1	-	-	-	-
District of Columbia-----	224	29	1	-	-	-	-	-	-	-	-	-
Virginia-----	1,279	248	4	3	1	1	-	-	1	1	1	2
West Virginia-----	678	339	-	1	1	-	-	-	-	-	-	1
North Carolina-----	416	456	5	8	1	5	1	3	-	1	-	-
South Carolina-----	160	80	-	3	2	-	2	-	-	-	-	-
Georgia-----	379	168	4	9	-	2	-	-	-	-	-	-
Florida-----	709	33	1	2	11	8	5	-	3	4	-	-
EAST SOUTH CENTRAL-----	1,942	632	22	13	9	7	1	2	-	-	-	-
Kentucky-----	730	142	12	2	1	2	-	2	-	-	-	-
Tennessee-----	642	87	2	2	1	1	1	-	-	-	-	-
Alabama-----	452	125	5	1	7	1	-	-	-	-	-	-
Mississippi-----	118	278	3	8	-	3	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	5,058	6,805	10	12	36	25	18	12	11	8	1	-
Arkansas-----	106	1,536	4	3	3	1	2	1	1	-	1	-
Louisiana-----	180	538	5	1	2	2	-	2	2	-	-	-
Oklahoma-----	211	295	-	3	3	3	-	3	-	-	-	-
Texas-----	4,561	4,436	1	5	28	19	16	6	8	8	-	-
MOUNTAIN-----	1,008	3,166	2	4	7	7	3	1	1	-	2	-
Montana-----	61	96	-	-	-	-	-	-	-	-	-	-
Idaho-----	228	66	-	-	1	1	-	-	-	-	2	-
Wyoming-----	58	93	-	-	-	1	-	-	-	-	-	-
Colorado-----	32	830	-	1	1	3	-	-	-	-	-	-
New Mexico-----	112	1,313	2	1	-	-	-	-	-	-	-	-
Arizona-----	168	415	-	1	5	1	3	1	1	-	-	-
Utah-----	348	347	-	1	-	1	-	-	-	-	-	-
Nevada-----	1	6	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	4,563	3,777	13	10	27	26	14	14	13	10	-	-
Washington-----	1,234	383	2	1	1	2	1	-	-	-	-	-
Oregon-----	107	653	2	1	1	-	1	-	-	-	-	-
California-----	3,222	2,741	9	8	25	24	12	14	13	10	-	-
Alaska-----	104	-	-	-	3	-	3	-	-	-	-	-
Hawaii-----	5	5	-	-	9	-	7	-	2	-	-	-
Puerto Rico-----	78	106	-	4	1	1	1	1	-	-	-	-

<sup>2</sup>Includes cases not specified by type, category number (080.3).

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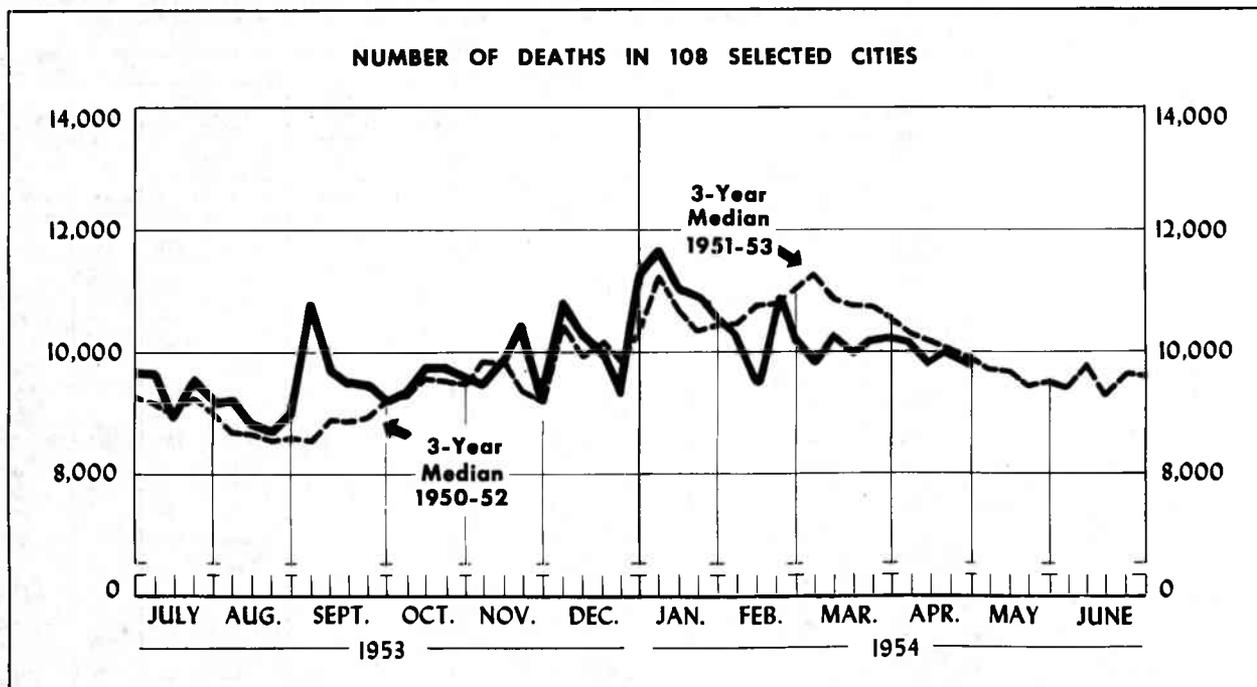
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 2, 1953, AND MAY 1, 1954—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	SCARLET FEVER AND STREPTOCOCCAL SORE THROAT (050, 051)		TRICHI- NIASIS (128)	TULAREMIA (059)		TYPHOID FEVER (040)		TYPHUS FEVER, ENDEMIC (101)	WHOOPING COUGH (056)		RABIES IN ANIMALS	
	1954	1953	1954	1954	1953	1954	1953	1954	1954	1953	1954	1953
	CONT. UNITED STATES-----	3,508	3,683	2	20	11	23	40	3	1,016	718	146
NEW ENGLAND-----	267	364	-	-	-	-	2	-	105	58	-	-
Maine-----	75	54	-	-	-	-	-	-	9	10	-	-
New Hampshire-----	24	9	-	-	-	-	-	-	-	1	-	-
Vermont-----	16	13	-	-	-	-	-	-	21	2	-	-
Massachusetts-----	101	111	-	-	-	-	2	-	51	31	-	-
Rhode Island-----	11	36	-	-	-	-	-	-	4	12	-	-
Connecticut-----	40	141	-	-	-	-	-	-	20	2	-	-
MIDDLE ATLANTIC-----	412	620	2	-	-	2	4	-	210	152	9	9
New York-----	259	340	2	-	-	1	3	-	117	77	9	9
New Jersey-----	34	129	-	-	-	-	-	-	33	32	-	-
Pennsylvania-----	119	151	-	-	-	1	1	-	60	43	-	-
EAST NORTH CENTRAL-----	540	681	-	3	-	2	2	-	183	75	8	21
Ohio-----	178	127	-	-	-	1	1	-	46	20	4	1
Indiana-----	-	76	-	-	-	-	-	-	-	6	-	8
Illinois-----	85	142	-	1	-	-	-	-	23	5	1	7
Michigan-----	151	199	-	-	-	-	1	-	93	30	2	5
Wisconsin-----	126	137	-	2	-	1	-	-	21	12	1	-
WEST NORTH CENTRAL-----	155	240	-	6	-	-	2	-	13	12	26	12
Minnesota-----	51	53	-	-	-	-	-	-	5	-	5	2
Iowa-----	21	58	-	-	-	-	-	-	-	3	9	1
Missouri-----	25	37	-	-	-	-	1	-	6	6	10	7
North Dakota-----	20	24	-	-	-	-	-	-	-	-	1	2
South Dakota-----	7	2	-	6	-	-	1	-	-	-	-	-
Nebraska-----	5	22	-	-	-	-	-	-	-	2	1	-
Kansas-----	26	44	-	-	-	-	-	-	2	1	-	-
SOUTH ATLANTIC-----	327	361	-	3	4	7	8	1	106	44	32	26
Delaware-----	4	2	-	-	-	-	-	-	2	-	-	-
Maryland-----	65	128	-	-	-	1	3	-	7	-	-	-
District of Columbia-----	10	5	-	-	-	-	-	-	6	5	-	-
Virginia-----	93	133	-	-	-	1	-	-	22	8	9	10
West Virginia-----	40	20	-	1	-	-	1	-	21	10	13	4
North Carolina-----	68	26	-	-	1	1	-	-	19	6	2	3
South Carolina-----	3	6	-	-	1	2	1	-	7	-	4	3
Georgia-----	29	28	-	2	2	2	3	-	8	6	3	6
Florida-----	15	13	-	-	-	-	-	1	14	9	1	-
EAST SOUTH CENTRAL-----	141	105	-	4	3	3	9	-	51	22	30	31
Kentucky-----	77	48	-	-	-	2	-	-	21	10	8	8
Tennessee-----	52	47	-	1	-	1	4	-	13	3	10	6
Alabama-----	9	7	-	2	1	-	2	-	10	7	7	13
Mississippi-----	3	3	-	1	2	-	3	-	7	2	5	4
WEST SOUTH CENTRAL-----	957	738	-	2	2	7	10	2	168	224	27	2
Arkansas-----	121	65	-	-	1	1	4	-	42	8	4	1
Louisiana-----	6	12	-	-	-	2	-	-	1	2	-	-
Oklahoma-----	46	32	-	1	-	1	2	-	4	5	-	1
Texas-----	784	629	-	1	1	3	4	2	121	209	23	-
MOUNTAIN-----	310	197	-	2	2	-	2	-	45	37	-	2
Montana-----	9	16	-	-	2	-	-	-	2	1	-	-
Idaho-----	30	61	-	-	-	-	1	-	2	-	-	-
Wyoming-----	8	13	-	2	-	-	-	-	-	-	-	-
Colorado-----	79	38	-	-	-	-	1	-	8	1	-	-
New Mexico-----	20	8	-	-	-	-	-	-	5	33	-	-
Arizona-----	138	9	-	-	-	-	-	-	10	2	-	2
Utah-----	26	52	-	-	-	-	-	-	18	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	399	377	-	-	-	2	1	-	135	94	14	1
Washington-----	128	142	-	-	-	-	-	-	49	10	-	-
Oregon-----	80	31	-	-	-	-	-	-	28	25	-	-
California-----	191	204	-	-	-	2	1	-	58	59	14	1
Alaska-----	1	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	44	-	-
Puerto Rico-----	-	-	-	-	-	1	-	1	51	49	-	2

<sup>a</sup>Includes 12 delayed cases.



The chart shows the number of deaths reported for 108 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) If a report is not received from a city in time to be included in the total for the current week, an estimate is made to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated, for deaths occurring in that city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between

death and receipt of the certificate.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city where 50 deaths are the weekly average, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ( $d \pm 2\sqrt{d}$ , where  $d$  represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISION

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

AREA	17th week ended May 1, 1954	16th week ended April 24, 1954	17th week median 1951-53	Percent change, median to current week	CUMULATIVE NUMBER FOR FIRST 17 WEEKS		
					1954	1953	Percent change
TOTAL: 105 REPORTING CITIES-----	9,518	9,803	9,631	-1.2	170,060	180,859	-6.0
New England----- (14 cities)	671	678	666	+0.8	11,775	12,314	-4.4
Middle Atlantic----- (17 cities)	2,831	3,090	2,941	-3.7	51,857	54,991	-5.7
East North Central----- (18 cities)	2,161	2,127	2,259	-4.3	38,220	40,873	-6.5
West North Central----- (9 cities)	714	850	749	-4.7	12,691	14,160	-10.4
South Atlantic----- (8 cities)	684	699	677	+1.0	12,373	13,374	-7.5
East South Central----- (8 cities)	439	434	432	+1.6	8,134	8,638	-5.8
West South Central----- (12 cities)	625	580	604	+3.5	10,816	11,043	-2.1
Mountain----- (8 cities)	230	242	212	+8.5	4,008	4,554	-12.0
Pacific----- (11 cities)	1,163	1,103	1,089	+6.8	20,186	20,912	-3.5

# Morbidity and Mortality Weekly Report

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

CITY	17th week ended May 1, 1954	16th week ended Apr. 24, 1954	CUMULATIVE NUMBER FOR FIRST 17 WEEKS		CITY	17th week ended May 1, 1954	16th week ended Apr. 24, 1954	CUMULATIVE NUMBER FOR FIRST 17 WEEKS	
			1954	1953				1954	1953
<b>NEW ENGLAND</b>					<b>WEST NORTH CENTRAL—Con.</b>				
Boston-----	237	215	3,885	4,221	St. Louis-----	234	263	3,974	4,532
Bridgeport-----	36	31	622	574	St. Paul-----	66	74	1,112	1,199
Cambridge-----	31	35	505	491	Wichita-----	25	43	697	736
Fall River-----	36	33	519	503	<b>SOUTH ATLANTIC</b>				
Hartford-----	34	52	778	849	Atlanta-----	103	106	1,812	1,908
Lowell-----	32	22	498	465	Baltimore-----	207	212	3,877	4,253
Lynn-----	20	28	386	374	Charlotte-----	36	28	542	505
New Bedford-----	21	30	387	438	Jacksonville-----	(46)	(59)	(871)	---
New Haven-----	47	52	807	816	Miami-----	---	(93)	---	(1,123)
Providence-----	51	64	1,093	1,125	Norfolk-----	35	28	516	588
Somerville-----	9	19	258	280	Richmond-----	59	71	1,115	1,215
Springfield, Mass.-----	40	32	710	694	Savannah-----	(29)	(25)	(498)	---
Waterbury-----	20	23	435	494	Tampa-----	47	56	1,001	1,047
Worcester-----	57	42	892	990	Washington, D. C.-----	163	149	2,926	3,275
<b>MIDDLE ATLANTIC</b>					Wilmington, Del.-----	34	49	584	583
Albany-----	42	44	780	808	<b>EAST SOUTH CENTRAL</b>				
Allentown-----	(41)	(36)	(609)	---	Birmingham-----	73	68	1,373	1,281
Buffalo-----	136	143	2,489	2,540	Chattanooga-----	57	44	808	872
Camden-----	29	46	660	635	Knoxville-----	36	31	594	626
Elizabeth-----	23	27	485	561	Louisville-----	90	93	1,847	1,936
Erie-----	37	41	569	607	Memphis-----	87	91	1,601	1,884
Jersey City-----	67	80	1,252	1,267	Mobile-----	33	36	562	560
Newark, N. J.-----	93	140	1,750	1,925	Montgomery-----	25	14	462	521
New York City-----	1,505	1,587	27,393	29,049	Nashville-----	38	57	887	958
Paterson-----	37	49	683	713	<b>WEST SOUTH CENTRAL</b>				
Philadelphia-----	428	513	8,097	8,721	Austin-----	22	24	426	443
Pittsburgh-----	162	150	2,890	3,118	Baton Rouge-----	26	15	399	267
Reading-----	(17)	(22)	(378)	---	Corpus Christi-----	11	21	265	319
Rochester, N. Y.-----	77	91	1,606	1,758	Dallas-----	101	76	1,651	1,707
Schenectady-----	22	30	417	433	El Paso-----	30	29	455	522
Scranton-----	(28)	(24)	(579)	---	Fort Worth-----	44	56	902	1,046
Syracuse-----	71	44	967	949	Houston-----	117	117	2,208	2,167
Trenton-----	46	45	812	886	Little Rock-----	57	26	712	772
Utica-----	32	37	533	554	New Orleans-----	---	(130)	---	(2,816)
Yonkers-----	24	23	474	467	Oklahoma City-----	54	65	1,034	977
<b>EAST NORTH CENTRAL</b>					San Antonio-----	66	81	1,362	1,448
Akron-----	43	60	947	1,055	Shreveport-----	41	40	650	735
Canton-----	24	20	526	528	Tulsa-----	56	30	752	640
Chicago-----	753	713	12,624	13,658	<b>MOUNTAIN</b>				
Cincinnati-----	139	150	2,412	2,658	Albuquerque-----	26	36	472	471
Cleveland-----	213	193	3,548	3,773	Colorado Springs-----	11	13	201	238
Columbus-----	91	86	1,759	1,903	Denver-----	110	109	1,786	2,050
Dayton-----	54	69	1,122	1,111	Ogden-----	14	14	171	212
Detroit-----	324	297	5,490	5,786	Phoenix-----	19	18	393	441
Evansville-----	26	60	558	601	Pueblo-----	13	10	219	247
Flint-----	40	34	651	653	Salt Lake City-----	35	39	695	797
Fort Wayne-----	27	30	448	550	Tucson-----	2	3	71	98
Gary-----	(22)	(26)	(432)	---	<b>PACIFIC</b>				
Grand Rapids-----	32	38	710	707	Berkeley-----	19	14	316	307
Indianapolis-----	108	102	2,000	2,056	Long Beach-----	55	54	847	871
Milwaukee-----	99	98	2,101	2,255	Los Angeles-----	439	410	7,955	8,277
Peoria-----	35	21	534	530	Oakland-----	85	95	1,667	1,760
South Bend-----	21	33	390	424	Pasadena-----	35	34	567	629
Toledo-----	88	77	1,547	1,649	Portland, Oreg.-----	---	(102)	---	(1,831)
Youngstown-----	44	46	853	976	Sacramento-----	42	47	825	843
<b>WEST NORTH CENTRAL</b>					San Diego-----	93	67	1,227	1,295
Des Moines-----	51	51	815	889	San Francisco-----	186	171	3,249	3,563
Duluth-----	23	38	445	483	Seattle-----	129	129	2,117	2,029
Kansas City, Kans.-----	25	34	543	577	Spokane-----	45	51	798	750
Kansas City, Mo.-----	120	120	1,979	2,287	Tacoma-----	35	31	618	588
Minneapolis-----	101	151	2,041	2,275	Honolulu-----	(28)	(40)	(612)	(563)
Omaha-----	69	76	1,085	1,182					

Symbols.—parentheses [ ( ) ]: data not included in table 3; 3 dashes [ --- ]: data not available.

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